

Fig. 1

Use examples

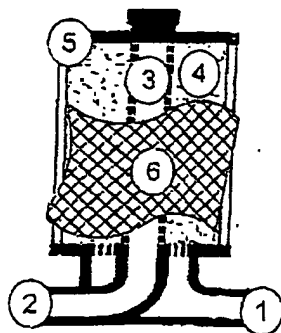


Fig. 1a

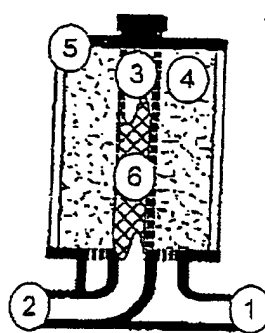


Fig. 1b

- | | |
|--|----------------------------------|
| (1) Feed: municipal water, well water or surface water | (2) Outflow: purified water |
| (3) Purified water collection channel | (4) Filter medium |
| (5) Filter housing | (6) Silver fabric or silver wool |
| (7) Storage tank | (8) Take-off point |
| (9) Filter cartridge | (10) Three-way tap |
| (M) Modifier, if filter medium = reverse osmosis membrane - optional | |

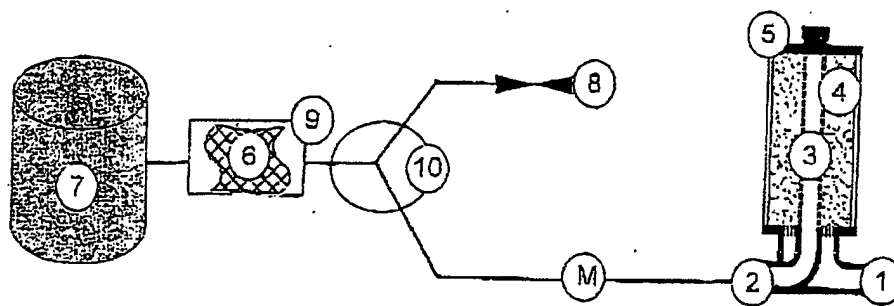
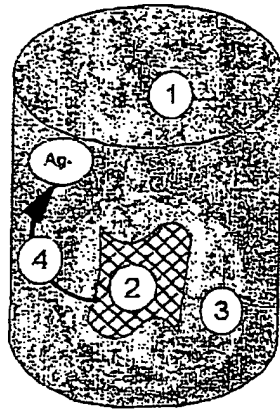


Fig. 1c

Fig. 2

Use examples

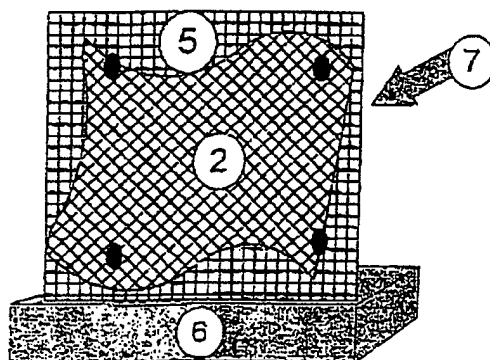


Microbial contamination protection by silvering of the water in

- tanks.
- open systems such as air humidifiers, indoor fountains, ...
- recirculated systems (including aquarium)
- filter systems.
- hot water providers.
- water beds.
- general: closed systems.

- (1) Tank system, hot water provider, reservoir, ...
- (3) Water-permeable vessel/bag
- (5) Filter mat
- (7) Blast direction aerator

- (2) Silver fabric or silver wool
- (4) Released silver ions
- (6) Water reservoir

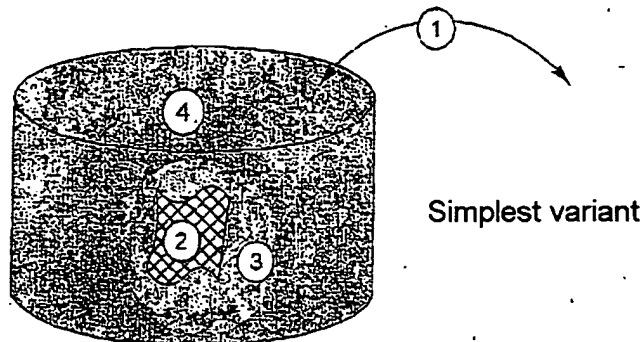


Example of air conditioning units/air humidifier

- direct protection of relevant components

Fig. 3

Use examples "third world"



① Drawn water

③ Water-permeable container/bag

⑤ Removal of particles and pollutants

⑦ Pump with coarse filter

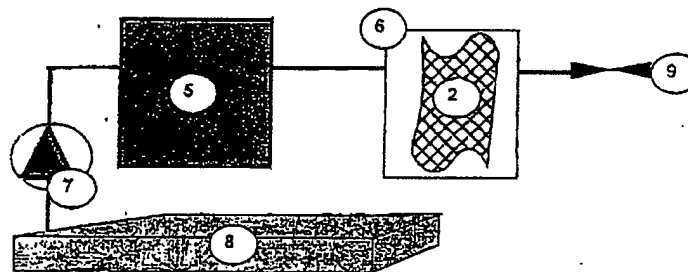
⑨ Water tap

② Silver fabric or silver wool

④ Tank, barrel, jar, cistern, ...

⑥ Filter cartridge

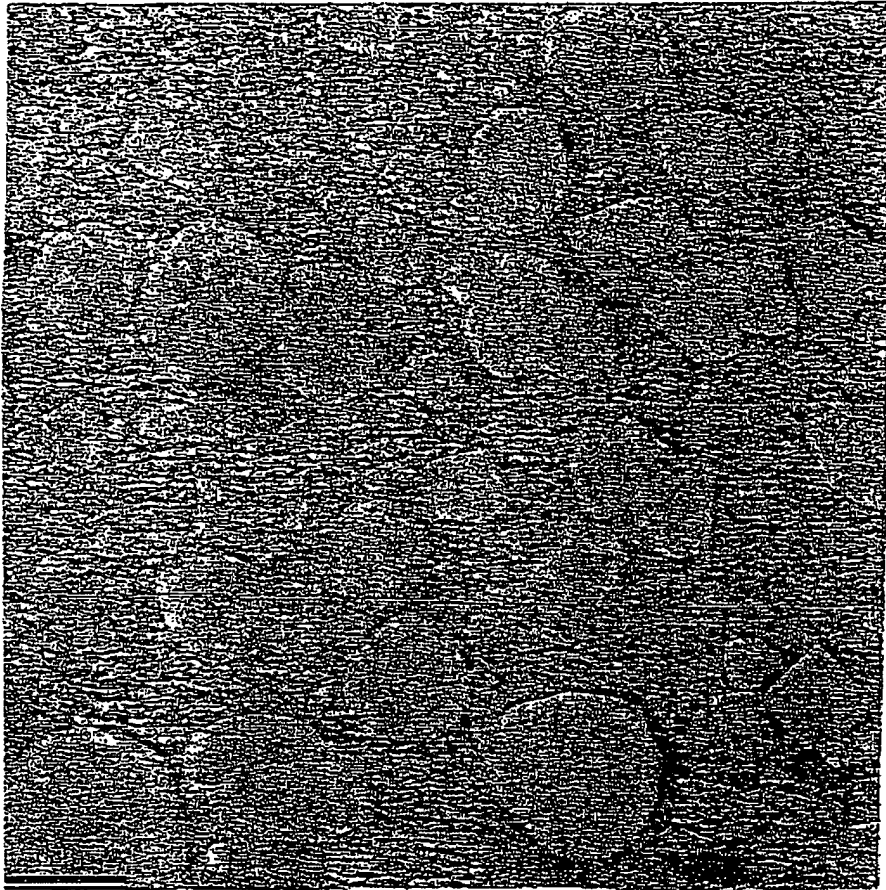
⑧ Water source: well, river, cisterns, reservoir for drawn water, lake, ...



Simple combined process for producing drinking water from surface waters, wells etc.

Fig. 4

SEM image

20 μm

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